



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/670,865	09/25/2003	Gilbert Deangelis	SP03-128	5794
22928 7590 10/05/2009 CORNING INCORPORATED SP-TI-3-1 CORNING, NY 14831				
EXAMINER RUDAWITZ, JOSHUA I				
ART UNIT 3652		PAPER NUMBER		
MAIL DATE 10/05/2009		DELIVERY MODE PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/670,865

Applicant(s)

DEANGELIS ET AL.

Examiner

JOSHUA I. RUDAWITZ

Art Unit

3652

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 05 June 2009.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-18 is/are pending in the application.
- 4a) Of the above claim(s) 7-18 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-6 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SE-08)
Paper No(s)/Mail Date 12052003; 06092008
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 112

1. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

2. Claim 4 is rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the enablement requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention. It is unclear what a "gas containing logic circuit" is; further the specification and drawings fail to enable one skilled in the art to ascertain what one is.

3. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

4. Claim 4, 5 and 6 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.
5. Claim 4 requires the use of a "gas containing logic circuit"; however it is unclear what it is, or how it is made. Therefore, for the sake of prosecution, the examiner will understand this to mean some control system that uses a gas to actuate the system.
6. Claims 5 and 6 require the method step of "the extruding step"; however, there is no previously claimed "extruding step", the examiner believes this is intended to be the "extending step" and will examine the claims based on this assumption.

Claim Rejections - 35 USC § 102

7. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

8. Claims 1, 2 and 5 are rejected under 35 U.S.C. 102(b) as best understood as being anticipated by Mangieri et al. (US 3,190,806).

Mangieri et al. (Mangieri) discloses a method for delivering a plurality of reactor monoliths into an interior of a reactor, including the steps of extending at least one tubular member 48 into an interior of a reactor such that a first end of the at least one tubular member is located near an opening in the reactor, and a second end of the at least one tubular member is inserted into the interior of the reactor, seen in figure 1, the tubular member having an outer wall defining an interior space adapted to allow sliding movement of a reactor monolith C there through, and a plurality of engagement members 42, 44 located within the interior space of the at least one tubular member and spaced along a length thereof, each engagement member actuatable between an extended position and a retracted position; and controlling the plurality of engagement members such that each engagement member actuates between the extended position, thereby preventing sliding movement of the monolith through the tube, and the retracted position, thereby allowing the monolith to slide past the engagement member within the tube (ln. 53-62); the controlling step includes controlling the members in a sequential manner, thereby slowly moving the monoliths along the length of

the tube and preventing a continuous free-fall descent; wherein the at least one tubular member in the extending step includes a plurality of tubular members linked together in an end-to-end orientation 48/40.

Claim Rejections - 35 USC § 103

9. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

10. Claims 3, 4 and 6 are rejected under 35 U.S.C. 103(a) as best understood as being unpatentable over Mangieri et al. (US 3,190,806) in view of Bergstrom et al. (US 4,796,746).

Mangieri fails to disclose the controlling step further includes controlling the engagement member via a gas containing logic circuit and the extruding step includes a plurality of expandable bladders, and the step of controlling the engagement members includes inflating and deflating the bladders.

Bergstrom et al. (Bergstrom) discloses controlling step further includes controlling the engagement member via a gas containing logic circuit (via tube 3) in order to allow for remote operation of the breaks to prevent injury to a person; and the extruding step includes a plurality of expandable bladders 2, and the step of controlling the engagement members includes inflating and deflating the bladders, see figures 3a-3b, in order to provide a means to prevent movement of the object without damaging the object. Therefore it would have been obvious to a person having ordinary skill in the art, at the time of invention, to include the

controls in order to allow for remote operation of the breaks and expandable bladders in order to provide a means to prevent damage, of Bergstrom in the system of Mangieri.

Election/Restrictions

11. Claims 7-18 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected invention, there being no allowable generic or linking claim. Election was made **without** traverse in the reply filed on 06/05/2009.

Conclusion

12. The prior art made of record and not relied upon, but is considered pertinent to applicant's disclosure is found on the accompanying PTO-892.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JOSHUA I. RUDAWITZ whose telephone number is (571)272-7856. The examiner can normally be reached on Monday - Friday, 7:30 A.M. - 5:00 P.M..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Saul Rodriguez can be reached on 571-272-7097. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 3652

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/J. I. R./
Examiner, Art Unit 3652

/Saúl J. Rodríguez/
Supervisory Patent Examiner, Art
Unit 3652